

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063284 A1

- (51) International Patent Classification⁷: **A61K 39/116**, 39/295
- (21) International Application Number:
PCT/EP2004/053623
- (22) International Filing Date:
21 December 2004 (21.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03104954.7 23 December 2003 (23.12.2003) EP
- (71) Applicant (for all designated States except US): **AKZO NOBEL N.V.** [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **JACOBS, Antonius Arnoldus Christiaan** [NL/NL]; Ondersteweg 2, NL-5995 PS Kessel (NL). **VAN EMPEL, Paul Cornelius Maria** [NL/NL]; Bakelgeerstraat 66A, NL-5831 CV Boxmeer (NL). **NUIJTEN, Petrus Johannes Maria** [NL/NL]; Radioweg 1, NL-5836 CD Sambeek (NL).
- (74) Agents: **KEUS, J et al.**; Intervet International B.V., P.O. Box 31, NL-5830 AN Boxmeer (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMBINATION VACCINE FOR POULTRY

(57) Abstract: The present invention relates to a combination vaccine for the protection of poultry against *Ornithobacterium rhinotracheale*, to the use of a live over-attenuated *Ornithobacterium rhinotracheale* strain and a live attenuated poultry virus for the manufacturing of such a combination vaccine, to methods for the preparation of said combination vaccine and to vaccination kits for the immunization of poultry against *Ornithobacterium rhinotracheale*.

WO 2005/063284 A1